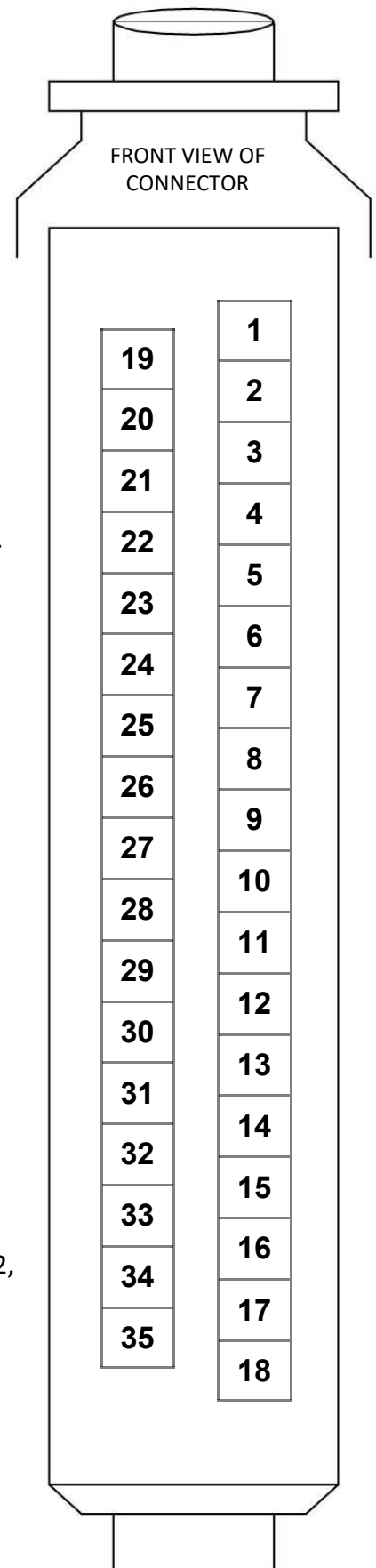


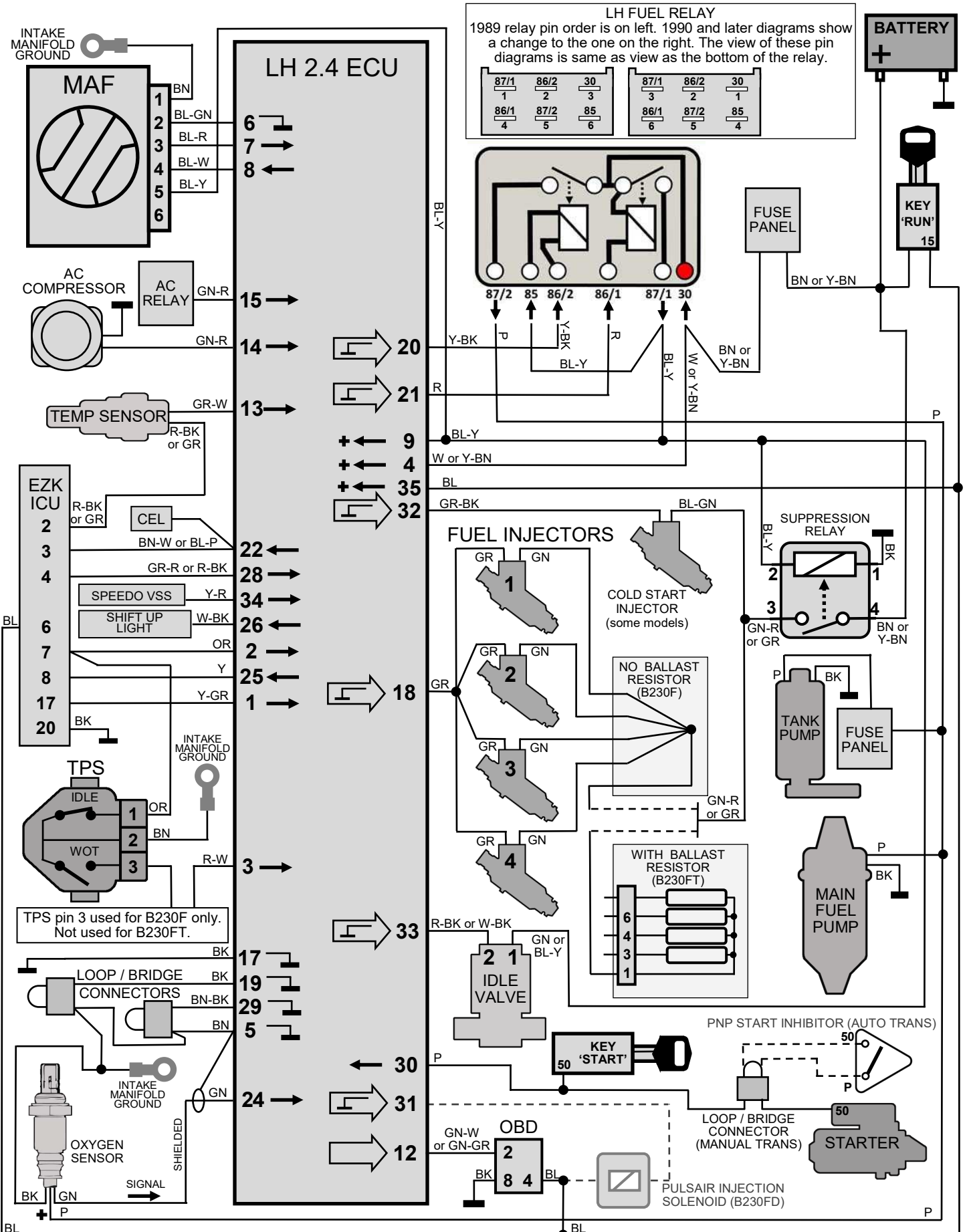
LH 2.4 ECU PIN FUNCTIONS 740/760 B230F/FT

1. (Y-GR) Engine speed signal from EZK. Notifies ECU that engine is turning.
2. (OR) Input signal from TPS, throttle closed (IDLE).
3. (R-W) Input signal from TPS, full throttle (WOT). B230F only. Not B230FT.
4. (W or Y-BN) 12v input constant (terminal 30).
5. (BN) Ground (signal ground shield for oxygen sensor).
6. (BL-GN) Ground for MAF sensor.
7. (BL-R) Input signal from MAF sensor.
8. (BL-W) Control signal output for MAF sensor burn off.
9. (BL-Y) 12v switched power from main fuel system relay.
10. — (Some models: Engine cooling fan, low speed).
11. — (Some models: Engine cooling fan, high speed, triggered by AC relay).
12. (GN-W or GN-GR) Diagnostic signal lead (OBD).
13. (GR-W) Input signal from coolant temp sensor (ECT) PN 0280130032. This sensor provides a resistance signal between ground and ONE of the two sensor pins. The other sensor pin provides an identical signal to EZK pin 2.
14. (GN-R) Input signal from AC (compressor on).
15. (GN-Y) Input signal from AC (AC starting).
16. — (Some models: Diagnostic signal lead, pin 2).
17. (BK) Ground (to engine). Used for injector and idle valve control signal.
18. (GR) Control signal output (ground) for fuel injectors.
19. (BK) Ground. (Chassis ground. Separate from control signal ground).
20. (Y-BK) Control signal output (ground) to fuel pump relay.
21. (R) Control signal output (ground) to main fuel system relay.
22. (BN-W or BL-P) Output signal to check engine light (CEL).
23. — (Some models: input signal, EGR temp sensor).
24. (GN) Input signal from oxygen sensor (shielded).
25. (Y) MAF load signal output to EZK.
26. (W-BK) Shift up indicator output signal (manual trans).
27. — (Charcoal canister purge valve control signal . B234F only).
28. (GR-R or R-BK) Input signal from EZK (knock sensor). B230FT only.
29. (BN-BK) Ground. (Some models: Code input).
30. (P) Input signal from starter terminal 50 (12v signal when starter is engaged). ECU provides additional fuel when starting. Circuit also to Park-Neutral Position (PNP) switch for auto trans. When PNP is placed in D, 1, 2, 3 or R, breaking circuit to terminal 50, idle is elevated.
31. — Control signal output, Pulse Air Injection Solenoid (B230FD only).
32. (GR-BK) Control signal output to cold start injector (some models).
33. (R-BK or W-BK) Control signal output to idle valve.
34. (Y-R) Input VSS signal from speedometer.
35. (BL) 12v input switched (terminal 15).

Wiring harness



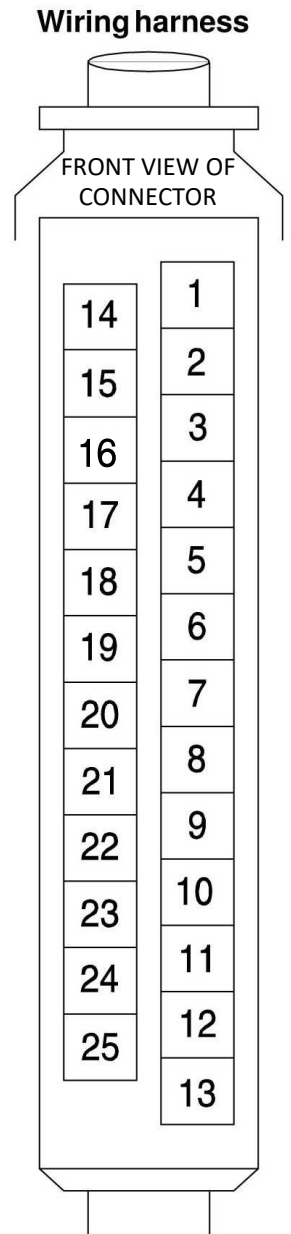
LH 2.4 ECU PIN FUNCTIONS 740/760 B230F/FT



EZ 116K IGNITION CONTROL UNIT PIN FUNCTIONS

1989-92 740/760 B230F/FT

1. (Y-R) Output signal to OBD diagnostic socket.
2. (R-BK or GR) Input signal from coolant temp sensor (ECT) PN 0280130032. This sensor provides a resistance signal between ground and ONE of the two sensor pins. The other sensor pin provides an identical signal to the LH ECU pin 13.
3. (BN-W or BL-P) Output signal to check engine light (CEL).
4. (GR-R or R-BK) Output signal to ECU/28 (knock sensor).
5. (BN or BN-Y) 12v input constant (terminal 30).
6. (BL) 12v input switched (terminal 15).
7. (OR) Input signal from TPS, throttle closed (IDLE).
8. (Y) MAF sensor load input signal from ECU.
9. —
10. (R) Input signal from crank position sensor (CPS).
11. (BK) Ground (signal ground SHIELD for CPS).
12. (BK) Ground (signal ground SHIELD for knock sensor).
13. (GN) Input signal from knock sensor (shielded).
14. — (BK) EGR model only. Ground to engine.
15. — (R-GN) EGR model only. Control signal output to EGR vacuum solenoid.
16. (GR) Ignition pulse output signal to ignition amplifier (power stage).
17. (Y-GR) Engine speed signal output to ECU. 6.5=cranking, >8=idle.
18. — Selector wire. Signals: 5v=disabled, grounded=enabled
19. — Selector wire. Signals: 5v=disabled, grounded=enabled
20. (BN) Ground to engine (signal ground).
21. — Selector wire. Signals: 5v=disabled, grounded=enabled
22. — (Y-BK) EGR model only. Input signal from EGR temp sensor.
23. (BL) Input signal from crank position sensor (CPS).
24. —
25. — Selector wire. Signals: 5v=disabled, grounded=enabled



Notes for PINS 18, 19, 21 and 25:

These pins have specific functions for altering timing, which can be enabled by grounding them individually or in combination with other pins. For example, grounding PIN 18 will retard static timing by 3 degrees (except for idle). Grounding PIN 19 will retard static timing by 6 degrees. Grounding both PINS 18 and 19 will advance static timing by 3 degrees. More information may be found at:

Advance/retard timing on EZ116K thread <https://forums.turbobricks.com/showthread.php?t=75838>

EZ 116K IGNITION CONTROL UNIT PIN FUNCTIONS

1989-92 740/760 B230F/FT

